

EMBL:ATAF146

XP-002165268

P.D. 27	1997
P. 1-2	(2)

ID ATAF146 standard; RNA; PLN; 1362 BP.

XX  
AC AF000146;XX  
SV AF000146.1XX  
DT 27-MAY-1997 (Rel. 52, Created)

DT 03-MAR-2000 (Rel. 62, Last updated, Version 11)

XX  
DE Arabidopsis thaliana dihydroorotase (pyr4) mRNA, complete cds.XX  
KW  
XX

OS Arabidopsis thaliana (thale cress)

OC Eukaryota; Viridiplantae; Embryophyta; Tracheophyta; Spermatophyta;

OC Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II;

OC Brassicales; Brassicaceae; Arabidopsis.

XX  
RN [1]

RP 1-1362

RA Zhou L., Lacroute F., Thornburg R.;

RT "Characterization of the Arabidopsis thaliana cDNA encoding Dihydroorotase

RT (Accession No. AF000146) (PGR97-115)";

RL Plant Physiol. 114:1569-1569(1997).

XX  
RN [2]

RP 1-1362

RA Zhou L., Lacroute F., Thornburg R.W.;

RT ;

RL Submitted (16-APR-1997) to the EMBL/GenBank/DDBJ databases.

RL Biochemistry and Biophysics, Iowa State University, Ames, IA 50011, USA

XX

DR AGDR; AF000146; AF000146.

DR SWISS-PROT; O04904; PYRC\_ARATH.

XX

FH Key Location/Qualifiers

FH

FT source

1..1362

FT /db\_xref="taxon:3702"

FT /organism="Arabidopsis thaliana"

FT CDS

86..1219

FT /codon\_start=1

FT /db\_xref="SWISS-PROT:O04904"

FT /gene="pyr4"

FT /EC\_number="3.5.2.3"

FT /function="catalyzes the intramolecular condensation of  
FT carbamoyl aspartate to form dihydroorotate"

FT /product="dihydroorotase"

FT /protein\_id="AAB71134.1"

FT /translation="MIKTLVSPYSGFGSQKLKFDKRSSEKVKTRAVRMELTITQDDWHL

FT HLRDGDLLHAVVPHSASNFKRAIVMPNLKPPVTTSTAAAIYRKFIKALPSESSFDPLM

FT TLVLTDKTLPEEIRLARESGVVYAVKLYPAGATTNSQDGVTDLFQKCLPVLEEMVKQNM

FT PLLVHGEVTDPSIDVFDREKIFIVTLQPLIQRLPQLKVVMEHITMDAVNFVESCCKG

FT SVGATVTPQHLLLNRLALFQGGLOPHNYCLPVLKREIHREAIKAVTSGSKKFFLGTD

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FT KITLKKSPWKVPDVFNFPPFGEIVPMFAGETLQWQPLK"

FT polyA\_signal 1325..1330

FT /gene="pyr4"

XX

SQ Sequence 1362 BP; 376 A; 296 C; 304 G; 386 T; 0 other;

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